



# VIDEIRA

EMBRACE THE HEAT

**HOT WATER TANKS**  
Range of Products

**EVERYDAY COMFORT.**



## VIDEIRA

### A Sustainable Path

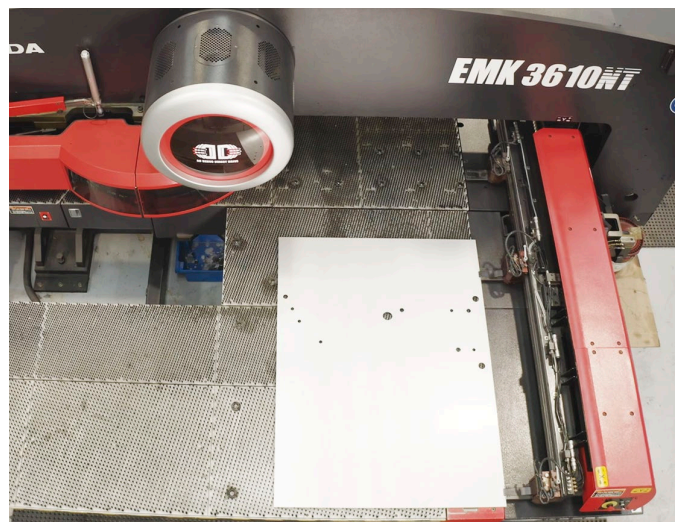
VIDEIRA was founded in 1982 and within a few years became a landmark in the Portuguese market for stainless steel hot water tanks.

Having achieved considerable influence over the development of new technology for heating appliances, we have expanded our presence to the four corners of the world.

Located in Paredes, northern Portugal, VIDEIRA has invested in high technology processes, modern facilities, high quality materials, trained staff and sustainable products, succeeding in the design various solutions for domestic hot water storage, including eco-friendly renewable energy technologies with minimal energy consumption. We are committed to a sustainable manufacturing and to the responsible use of our products.

These solutions are widely recognized for their reliability, comfort, outstanding design, and energy efficiency. Here you find a wide range of indirect stainless steel hot water tanks with several designs available.

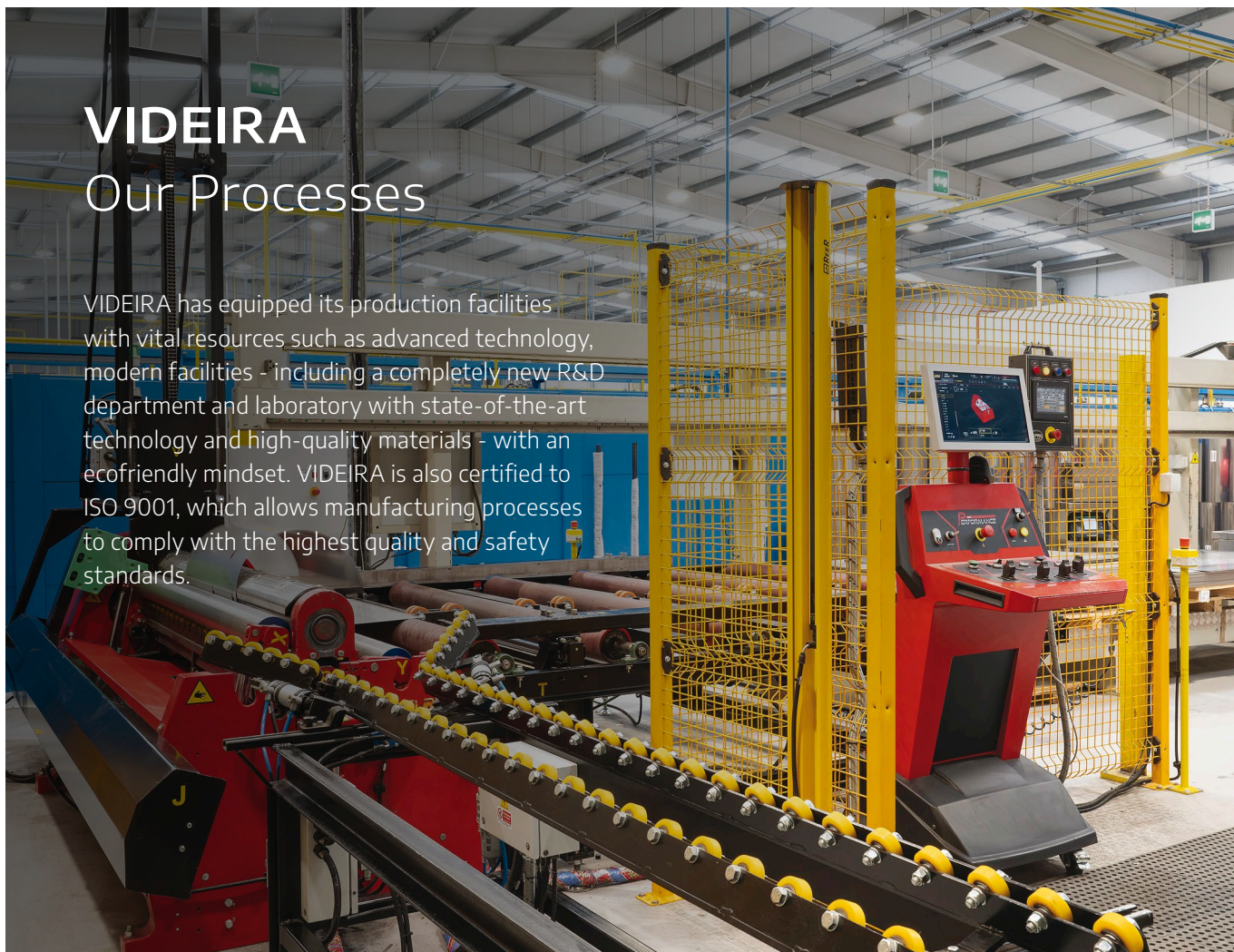
We work hard every day to meet the highest expectations. VIDEIRA provides excellence that goes far beyond what we see in the finished product. Our track record of fine in-house engineering with rigorous internal testing and multiple external certification processes are what gives our customers complete confidence in our services.





## VIDEIRA Our Processes

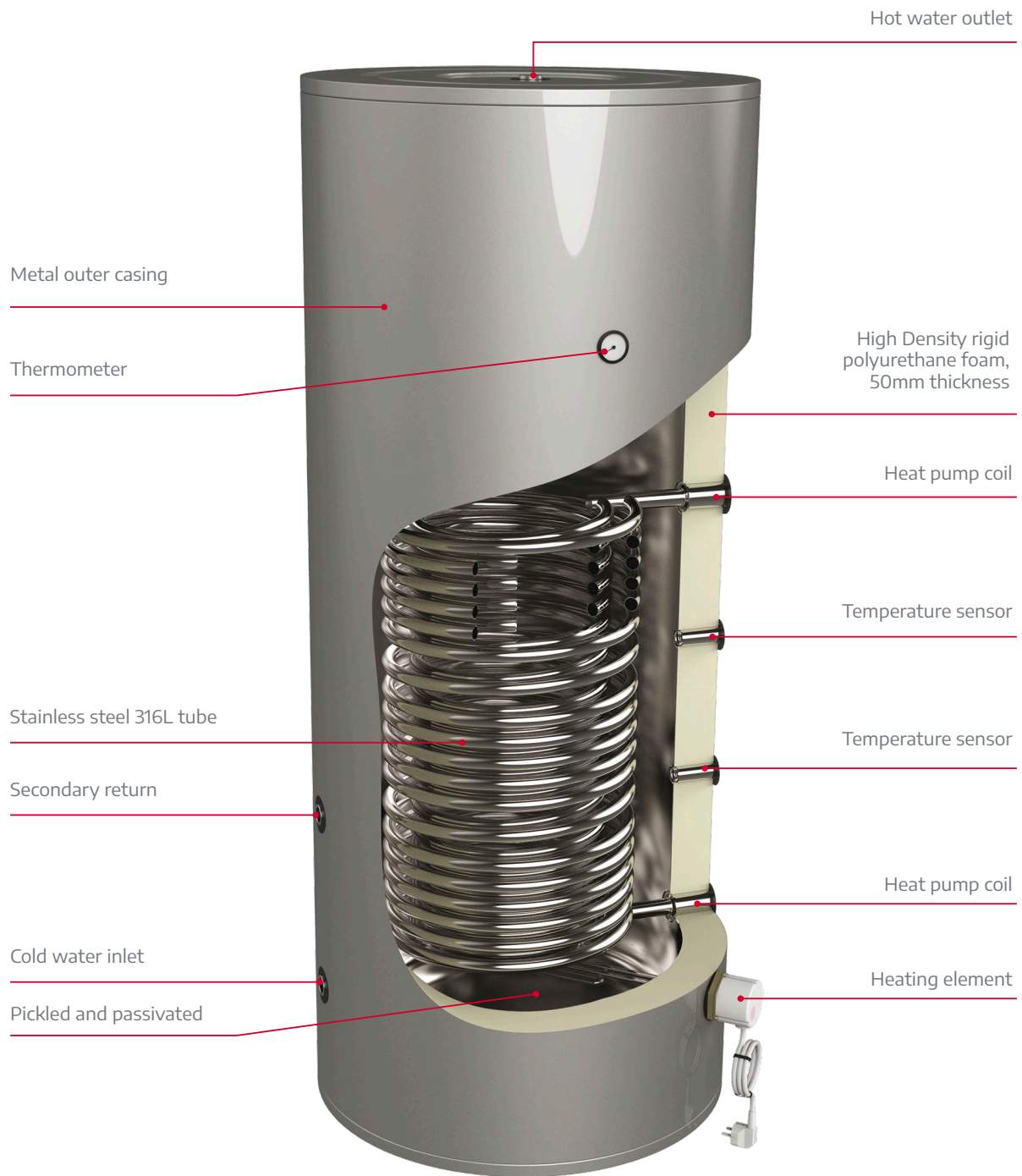
VIDEIRA has equipped its production facilities with vital resources such as advanced technology, modern facilities - including a completely new R&D department and laboratory with state-of-the-art technology and high-quality materials - with an ecofriendly mindset. VIDEIRA is also certified to ISO 9001, which allows manufacturing processes to comply with the highest quality and safety standards.











The hot water tanks are made from high grade AISI 444 stainless steel, extremely resistant to pitting corrosion, all welds are made by high quality welding process TIG (GTAW), eliminating the possibility of crevice corrosion. Complete tank is then pickled and passivated both inside and outside.

#### ADVANTAGES OF VIDEIRA HOT WATER TANKS:

- High Quality Stainless Steel;
- All welds are edge to edge with no gap;
- No sacrificial anodes required;
- 100% pickled and passivated;
- Thick insulation polyurethane foam layer -  $\lambda = 0,022 \text{ W/mK}$ ;
- Optional Electrical backup heating element;
- Double spiral low temperatures heat exchangers.

## Indirect High Gain for Heat Pump

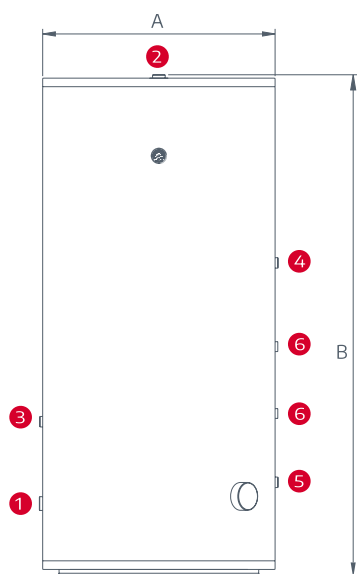
### Single Heat Exchanger / Vertical Floor Standing



Capacity (l)	200L	300L	400L	500L
Dimensions (mm)				
A - Diameter	550	620	710	710
B - Height	1420	1570	1560	1910

Connections				
❶ Cold Water Inlet	¾" F	¾" F	1" F	1" F
❷ Hot Water Outlet	¾" F	¾" F	1" F	1" F
❸ Secondary Return	¾" F	¾" F	¾" F	¾" F
❹ Heat Exchanger Inlet	1" F	1" F	1" F	1" F
❺ Heat Exchanger Outlet	1" F	1" F	1" F	1" F
❻ Temperature Sensor	½" F	½" F	½" F	½" F

Technical Data				
Tank Construction	Stainless Steel 444 (1.4521)			
Heat Exchanger Surface Area	2,5m²	2,8m²	3,0m²	4,0m²
Heat Exchanger Volume	11,9L	13,3L	14,2L	18,9L
Heat Exchanger Rated Output	70kW	76kW	80kW	95kW
Electrical Backup	1500W x 230V	2000W x 230V	3000W x 230V	3000W x 230V
Insulation – Rigid Polyurethane	50mm			
Outer Casing	Powder Coated Galvanized Steel			
Max. Working Pressure – Tank	8 bar	8 bar	8 bar	8 bar
Max. Working Temperature - Tank	85°C	85°C	85°C	85°C
Max. Working Pressure – Heat Exchanger	8 bar	8 bar	8 bar	8 bar
Max. Working Temperature – Heat Exchanger	95°C	95°C	95°C	95°C
ErP Label	C	C	C	C
Standby Losses	77W	94W	102W	111W



## Indirect

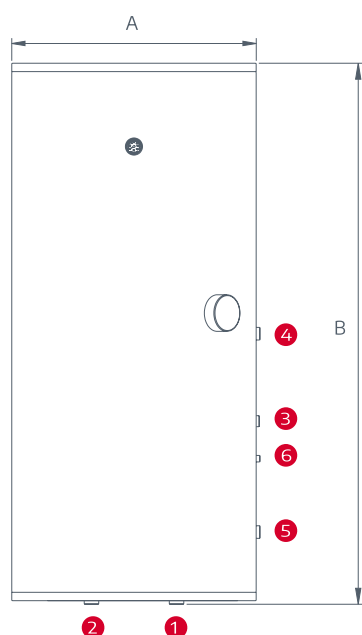
### Single Heat Exchanger / Vertical Wall Hung



Capacity (l)	80L	100L	120L	150L	200L	300L
Dimensions (mm)						
A - Diameter	495	495	495	540	540	640
B - Height	860	1020	1180	1300	1650	1700

Connections						
❶ Cold Water Inlet	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
❷ Hot Water Outlet	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
❸ Secondary Return	—	—	—	3/4" F	3/4" F	3/4" F
❹ Heat Exchanger Inlet	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
❺ Heat Exchanger Outlet	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
❻ Temperature Sensor	Ø7 mm	Ø7 mm	Ø7 mm	Ø7 mm	Ø7 mm	Ø7 mm

Technical Data						
Tank Construction	Stainless Steel 444 (1.4521)					
Heat Exchanger Surface Area	0,50m <sup>2</sup>	0,50m <sup>2</sup>	0,50m <sup>2</sup>	0,67m <sup>2</sup>	0,77m <sup>2</sup>	1,32m <sup>2</sup>
Heat Exchanger Volume	2,3L	2,3L	2,3L	3,1L	3,5L	6,0L
Heat Exchanger Rated Output	18kW	18kW	18kW	21kW	23kW	36kW
Electrical Backup	1500W x 230V	2000W x 230V	2000W x 230V	1500W x 230V	1500W x 230V	2000W x 230V
Insulation – Rigid Polyurethane	50mm	50mm	50mm	50mm	50mm	50mm
Outer Casing	Powder Coated Galvanized Steel					
Max. Working Pressure – Tank	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar
Max. Working Temperature - Tank	85°C	85°C	85°C	85°C	85°C	85°C
Max. Working Pressure – Heat Exchanger	8 bar	8 bar	8 bar	8 bar	8 bar	8 bar
Max. Working Temperature – Heat Exchanger	95°C	95°C	95°C	95°C	95°C	95°C
ErP Label	B	B	C	C	C	C
Standby Losses	45W	49W	60W	63W	77W	94W











## Indirect

### Single Heat Exchanger / Vertical Floor Standing



Capacity (l)	150L	200L	300L	400L	500L
Dimensions (mm)					
A - Diameter	550	550	620	710	710
B - Height	1120	1420	1570	1560	1910

Connections					
1 Cold Water Inlet	3/4" F	3/4" F	3/4" F	1" F	1" F
2 Hot Water Outlet	3/4" F	3/4" F	3/4" F	1" F	1" F
3 Secondary Return	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
4 Heat Exchanger Inlet	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
5 Heat Exchanger Outlet	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
6 Temperature Sensor	Ø7 mm	Ø7 mm	Ø7 mm	Ø7 mm	Ø7 mm

Technical Data					
Tank Construction	Stainless Steel 444 (1.4521)				
Heat Exchanger Surface Area	0,67m <sup>2</sup>	0,77m <sup>2</sup>	1,32m <sup>2</sup>	1,73m <sup>2</sup>	2,13m <sup>2</sup>
Heat Exchanger Volume	3,1L	3,5L	6,0L	7,9L	9,8L
Heat Exchanger Rated Output	21kW	23kW	36kW	52kW	60kW
Electrical Backup	1500W x 230V	1500W x 230V	2000W x 230V	3000W x 230V	3000W x 230V
Insulation – Rigid Polyurethane	50mm				
Outer Casing	Powder Coated Galvanized Steel				
Max. Working Pressure – Tank	8 bar	8 bar	8 bar	8 bar	8 bar
Max. Working Temperature - Tank	85°C	85°C	85°C	85°C	85°C
Max. Working Pressure - Heat Exchanger	8 bar	8 bar	8 bar	8 bar	8 bar
Max. Working Temperature - Heat Exchanger	95°C	95°C	95°C	95°C	95°C
ErP Label	C	C	C	C	C
Standby Losses	63W	77W	94W	102W	111W







## Indirect

Dual Heat Exchangers / Vertical Floor Standing







## Indirect Dual Heat Exchangers / Vertical Floor Standing



Capacity (l)	150L	200L	300L	400L	500L
Dimensions (mm)					
A - Diameter	550	550	620	710	710
B - Height	1120	1420	1570	1560	1910

Connections					
1 Cold Water Inlet	3/4" F	3/4" F	3/4" F	1" F	1" F
2 Hot Water Outlet	3/4" F	3/4" F	3/4" F	1" F	1" F
3 Secondary Return	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
4 Solar Heat Exchanger Inlet	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
5 Solar Heat Exchanger Outlet	3/4" F	3/4" F	3/4" F	3/4" F	3/4" F
6 Solar Sensor	Ø7 mm	Ø7 mm	Ø7 mm	Ø7 mm	Ø7 mm
7 Boiler Heat Exchanger Inlet	3/4" F	3/4" F	3/4" F	1" F	1" F
8 Boiler Heat Exchanger Outlet	3/4" F	3/4" F	3/4" F	1" F	1" F
9 Temperature Sensor	1/2" F	1/2" F	1/2" F	1/2" F	1/2" F

Technical Data					
Tank Construction	Stainless Steel 444 (1.4521)				
Solar Heat Exchanger Surface Area	0,67m <sup>2</sup>	0,77m <sup>2</sup>	1,32m <sup>2</sup>	1,73m <sup>2</sup>	2,13m <sup>2</sup>
Solar Heat Exchanger Volume	3,1L	3,5L	6,0L	7,9L	9,8L
Solar Heat Exchanger Rated Output	21kW	23kW	36kW	52kW	60kW
Boiler Heat Exchanger Surface Area	0,55m <sup>2</sup>	0,67m <sup>2</sup>	0,83m <sup>2</sup>	1,00m <sup>2</sup>	1,40m <sup>2</sup>
Boiler Heat Exchanger Volume	2,5L	3,1L	3,8L	5,9L	8,2L
Boiler Heat Exchanger Rated Output	19kW	21kW	28kW	29kW	43kW
Electrical Backup	1500W x 230V	1500W x 230V	2000W x 230V	3000W x 230V	3000W x 230V
Insulation – Rigid Polyurethane	50mm				
Outer Casing	Powder Coated Galvanized Steel				
Max. Working Pressure – Tank	8 bar	8 bar	8 bar	8 bar	8 bar
Max. Working Temperature - Tank	85°C	85°C	85°C	85°C	85°C
Max. Working Pressure – Heat Exchanger	8 bar	8 bar	8 bar	8 bar	8 bar
Max. Working Temperature – Heat Exchanger	95°C	95°C	95°C	95°C	95°C
ErP Label	C	C	C	C	C
Standby Losses	63W	77W	94W	102W	111W







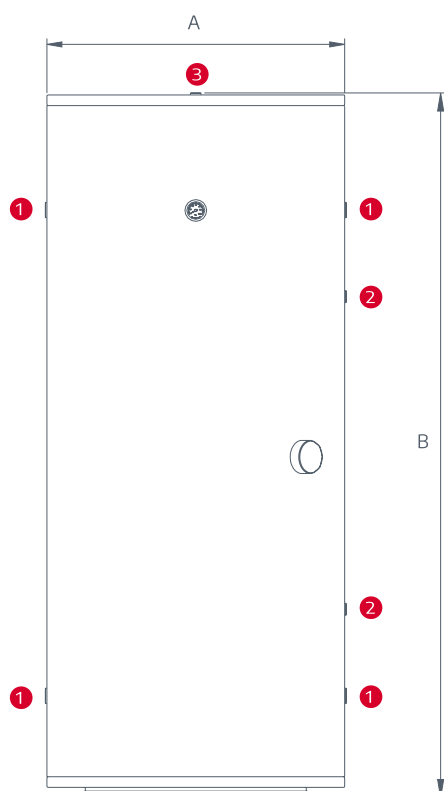


## Shift Load

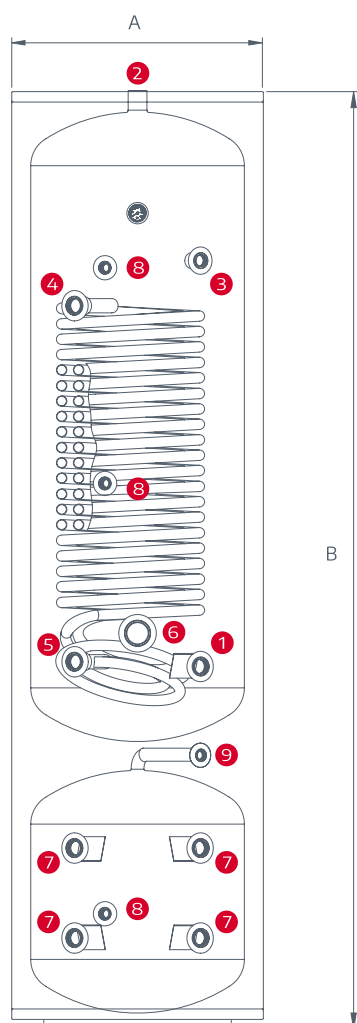
Without Heat Exchanger / Vertical Floor Standing



Capacity (l)	300L	400L	500L
Dimensions (mm)			
A - Diameter	620	710	710
B - Height	1570	1560	1910
Connections			
1 Direct Tapping	1" F	1" F	1" F
2 Temperature Sensor	½" F	½" F	½" F
3 Air Vent	½" F	½" F	½" F
Technical Data			
Tank Construction	Stainless Steel 444 (1.4521)		
Electrical Backup	2000W x 230V	3000W x 230V	3000W x 230V
Insulation – Rigid Polyurethane	50mm		
Outer Casing	Powder Coated Galvanized Steel		
Max. Working Pressure	8BAR	8BAR	8BAR
Max. Working Temperature	85°C	85°C	85°C
ErP Label	C	C	C
Standby Losses	94W	102W	111W







## Tank on Tank

A Pre plumbed cylinder and buffer vessel.

The buffer is built into the cylinder which adds to its attractive aesthetics a system efficiency by improving a system flow rate that allows for the heat pump to run for longer reducing the amount of times the heat pump needs to turn on and off.

A tank with coil and buffer is one of the most efficient solutions for DHW and buffer tanks. The benefits include a smaller environmental footprint, a reduction of pipe work and a reduction of labor.





## Tank on Tank for Heat Pump

Single Heat Exchanger with Buffer Tank / Vertical Floor Standing



Capacity (l)	260L	290L	390L
Dimensions (mm)			
A - Diameter	550	620	620
B - Height	1980	1700	2150
Connections			
❶ Cold Water Inlet	1"F	1"F	1"F
❷ Hot water Outlet	1"F	1"F	1"F
❸ Secondary Return	¾"F	¾"F	¾"F
❹ Heat Exchanger Inlet - Heat Pump	1"F	1"F	1"F
❺ Heat Exchanger Outlet - Heat Pump	1"F	1"F	1"F
❻ Immersion heater	1½"F	1½"F	1½"F
❼ Direct Connection	1"F	1"F	1"F
❽ Temperature Sensor	½"F	½"F	½"F
❾ Air bleed	½"F	½"F	½"F
Technical Data			
Tank Construction	Stainless steel DUPLEX LDX 2101 (1.4162)		
Rated DHW storage tank (l)	200	200	300
Rated Buffer storage tank (l)	60	90	90
Heat Pump Heat Exchanger Surface area (m²)	2,5	2,5	3,0
Heat Pump Heat Exchanger Volume (l)	11,4	11,4	13,6
Heat Pump Heat Exchanger Rated Output (kW)	10	10	12
Electrical Backup (W x 230V AC)	1500	2000	3000
Outer Casing	Powder Coated Galvanized Steel		
Max. Working pressure - tank (bar)	6	6	6
Max. Working pressure - heat exchanger (bar)	6	6	6
Max. Working temperature - tank (°C)	85	85	85
Max. Working temperature - heat exchanger (°C)	95	95	95
ErP Label	C	C	C
Standby Losses	80W	90W	98W





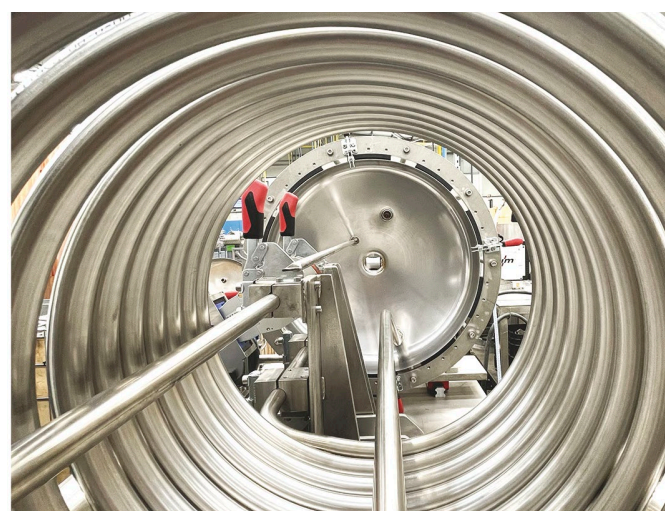
## VIDEIRA

### Export

After becoming the largest producer of stainless steel hot water tanks in Portugal, VIDEIRA's success has now gone global. We are now established in international markets, with regular sales in Ireland, UK, Holland, Belgium, Canada, Spain, France, Poland, Australia, New Zealand and the UAE.









## VIDEIRA OEM

From the very start, VIDEIRA's manufacturing is set up to offer OEM customers full spec-build tanks.

We provide a full range of OEM stainless steel hot water tanks for DHW heat pumps as for incorporation into other systems.

We provide varied and specific tank solutions with extreme quality at controlled costs, based in a factory with automated production.

For the most demanding market requirements, our experience will be fundamental in achieving the best result with our customers.

Different possibilities in connection sizes, from the largest on the American market, NPT included, to European BSP models. The decades of experience in the use of various types of stainless steel alloys make VIDEIRA a natural choice worldwide to satisfy any installation need, for the most demanding customer and project.

We have our own requirement to only use high-quality and up-to-date state-of-the-art machinery with various welding combinations equipped with robots.

The automation solutions of our systems allow us to suit almost all individual requirements, procedures and processes to increase productivity and reliability.

Through economies of scale and scope, and Portugal's competitiveness, VIDEIRA is able to deliver high quality at a compelling price point, becoming a specialist in designing and manufacturing fully customized, high efficiency tanks for heat pumps.

## Customised solutions

VIDEIRA has the capacity to design and develop customised products. Our technical skills, resources and long experience enable us to provide solutions according with various specific demands.

## Built-in solutions

We deliver fully customized tanks, with or without finishing, outer casing, in order to satisfy customers specific demand. These specifications can relate to all possible settings, including:

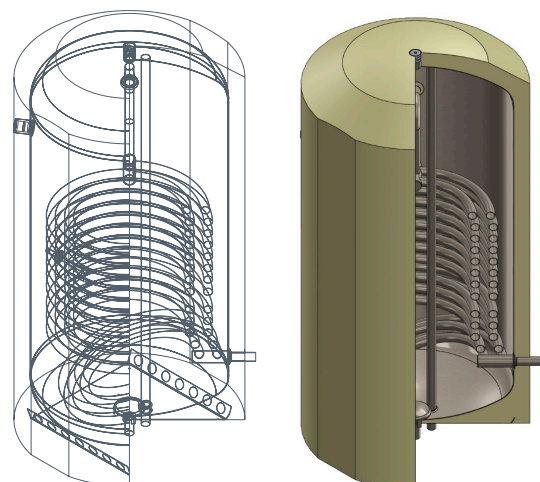
- Dimensions of the tank
- Stainless Steel grades
- Insulation
- Capacities
- Heat exchangers surface areas
- Connections

## Low Temperature heat exchangers

Our solutions for low temperature heat exchangers, contribute to increase the efficiency of heat pumps when producing domestic hot water.

Double or triple spiral coils can bring the heat transfer surface from 1,8 sqm up to 7 sqm (in tanks up to 500L).

Along with high performance, this will bring high durability to the heat pump (as it will enable the heat pump to work according to the optimal regime).







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